

ABSTRACT OF THE DISCLOSURE

For use in a rotational casting machine used for coating a rotating body with elastomer, such as polyurethane, there is provided a nozzle used for dispensing the liquid polyurethane onto the rotating body to be coated. The outlet of the nozzle is a narrow, elongated slit or opening. However, the interior passageway of the nozzle continually changes shape from the inlet to the outlet thereof, in order to ensure a constant cross-sectional area of the interior passageway along the length thereof, and in order to arrive at the desired narrow, elongated outlet-opening, whereby laminar flow of the liquid polyurethane is achieved with the concomitant reduced dwell-time of the liquid polyurethane therein, in order to reduce build up and clogging of the nozzle.

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